**EAST Search History**  $(i_3, p_1, b_2)$ 

| Ref<br># | Hits | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|---|---|---------------------|---------|------------------|
| L3       | 4    | "751714".ap.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/02/25 18:04 |
| L4       | 1    | (US-20050145895-\$).did.  | US-PGPUB  | OR                  | OFF     | 2006/02/25 18:05 |
| L5       | 1    | (US-20050145895-\$).did.  | US-PGPUB  | OR                  | OFF     | 2006/02/25 18:05 |
| L6       | 1    | 5 and gated adj diode   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/02/25 18:22 |
| L7       | 2    | ("5844265").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/02/25 19:35 |
| L8       | 429  | (varactor varacter gated adj diode).ti,ab,clm. and (amplification amplifier amplifying amplify).ti,ab, clm. and capacitance.ti,ab,clm. and @ad<"20040106"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/02/25 19:37 |
| L9       | 48   | (varactor varacter gated adj<br>diode).ti,ab,clm. and (amplification<br>amplifier amplifying amplify).ti,ab,<br>clm. and capacitance.ti,ab,clm.<br>and @ad<"20040106" and<br>(MOSFET MOS MESFET field adj<br>effect adj (device transistor)).ti,ab,<br>clm. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/02/25 19:38 |
| L10      | 8928 | ((257/288) or (257/e29.195) or (365/203) or (365/204) or (365/205) or (365/206) or (365/207) or (365/208) or (327/560) or (327/561) or (327/562) or (327/563)).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/02/25 19:40 |
| L11      | 2    | 8 and 10  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/02/25 19:40 |
| S1       | 3    | "751714".ap.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/08/28 15:22 |

| S2  | 13 | miller near2 compensating adj<br>capacitor  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/05/09 14:41 |
|-----|----|---|---|----|-----|------------------|
| S3  | 4  | "751713".ap.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/05/09 14:44 |
| S4  | 0  | gated adj diode and (nonlinear variable) near3 "capacitance."   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/09 14:45 |
| S5  | 7  | gated adj diode and (nonlinear<br>variable) near3 capacitance   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/09 14:46 |
| S6  | 2  | gated adj diode and (nonlinear<br>variable) near3 capacitance and<br>(applifying amplification amplifier)                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/09 15:16 |
| S7  | 6  | gated adj diode and (nonlinear<br>variable vary) near3 capacitance<br>and (applifying amplification<br>amplifier)         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/09 15:20 |
| S8  | 6  | gated adj diode and (nonlinear<br>variable vary) near3 capacitance<br>and (applifying amplification<br>amplifier amplify) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/09 15:27 |
| S9  | 3  | gated adj diode near4 amplifier   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/09 15:50 |
| S10 | 33 | small adj signal adj sensing and<br>dram  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/09 15:52 |
| S11 | Ō  | fated adj diode.ti,ab,clm. and<br>"257"/\$7.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/09 15:52 |

| S12 | 83  | gated adj diode.ti,ab,clm. and "257"/\$7.ccls.                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/09 15:54 |
|-----|-----|---|---|----|-----|------------------|
| S13 | 31  | gated adj diode.ti. and "257"/\$7.<br>ccls.                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/09 16:03 |
| S14 | 148 | (257/312).CCLS.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/29 12:11 |
| S15 | 4   | MOSFET near5 body adj bias.ti,ab,<br>clm.                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/05/09 16:15 |
| S16 | 100 | flash adj memory adj cell adj array<br>and "257"/\$7.ccls.            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/05/09 16:45 |
| S17 | 24  | flash adj memory adj cell adj<br>array.ti,ab,clm. and "257"/\$7.ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/09 16:45 |
| S18 | 4   | "751714".ap.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/26 07:09 |
| S19 | 1   | (US-20050145895-\$).did.  | US-PGPUB  | OR | OFF | 2005/08/26 07:09 |
| S20 | 4   | "571713".ap.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/26 07:10 |
| S21 | 5   | "751713".ap.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/26 07:10 |
| S22 | 1   | (US-20050146928-\$).did.  | US-PGPUB  | OR | OFF | 2005/08/26 07:11 |

| C22 | 175 | variable pear? (capaciter  | HS-DCDHD.   | OR   | OFF | 2005/08/26 07:12 |
|-----|-----|--|---|------|-----|------------------|
| S23 | 175 | variable near2 (capacitor capacitance) and sense adj amplifier   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OK . | UFF | 2003/00/20 07.12 |
| S24 | 398 | (varying varies vary variable) near2 (capacitor capacitance) and sense adj amplifier and semiconductor and circuit   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/08/26 07:15 |
| S25 | 296 | (varying varies vary variable) near1 (capacitor capacitance) and sense adj amplifier and semiconductor and circuit   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/08/26 07:29 |
| S26 | 258 | (varying varies vary variable) near1 (capacitor capacitance) and sense adj amplifier and semiconductor and circuit and (gate control adj voltage)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/08/26 07:29 |
| S27 | 255 | (varying varies vary variable) near1 (capacitor capacitance) and sense adj amplifier and semiconductor and circuit and gate  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/08/26 07:32 |
| S28 | 183 | (varying varies vary variable) near1 (capacitor capacitance) and sense adj amplifier and semiconductor and circuit and gate and (MOSFET FET field adj effect adj transistor MISFET MOS adj transistor MIS adj transistor)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/08/26 07:34 |
| S29 | 143 | (varying varies vary variable) near1 (capacitor capacitance) and sense adj amplifier and semiconductor and circuit and gate and (MOSFET FET field adj effect adj transistor MISFET MOS adj transistor MIS adj transistor) same (capacitor capacitance)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/08/26 07:36 |
| S30 | 60  | (varying varies vary variable) near1 (capacitor capacitance) and sense adj amplifier and semiconductor and circuit and gate and (MOSFET FET field adj effect adj transistor MISFET MOS adj transistor MIS adj transistor) same (capacitor capacitance) same ("well" "n-well" "p-well" nwell pwell) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/08/26 07:37 |

| S31 | 25 | (variable) near1 (capacitor capacitance) and sense adj amplifier and semiconductor and circuit and gate and (MOSFET FET field adj effect adj transistor MISFET MOS adj transistor MIS adj transistor) same (capacitor capacitance) same ("well" "n-well" "p-well" nwell pwell) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/26 07:38 |
|-----|----|--|---|----|-----|------------------|
| S32 | 10 | (US-20050145895-\$ or<br>US-20050146928-\$ or<br>US-20050184787-\$ or<br>US-20050104119-\$ or<br>US-20050104118-\$ or<br>US-20050099859-\$ or<br>US-20030206437-\$).did. or<br>(US-6731529-\$ or US-6418044-\$<br>or US-6414862-\$).did.                                       | US-PGPUB;<br>USPAT                                      | OR | OFF | 2005/08/26 07:42 |
| S33 | 13 | diorio.in. and variable adj<br>capacitor   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/26 08:20 |
| S34 | 10 | (US-20030206437-\$ or<br>US-20050099859-\$ or<br>US-20050104118-\$ or<br>US-20050104119-\$ or<br>US-20050145895-\$ or<br>US-20050146928-\$ or<br>US-20050184787-\$).did. or<br>(US-6414862-\$ or US-6418044-\$<br>or US-6731529-\$).did.                                       | US-PGPUB;<br>USPAT                                      | OR | OFF | 2005/08/26 08:34 |
| S35 | 2  | ("6144581").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/26 08:36 |
| S36 | 0  | ("gatedadjdiodeandvariableadj(cap<br>acitancecapacitor)and(MOSadjtran<br>sistorMOSFETFETMISadjtransistor<br>MISFET)").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/26 08:37 |
| S37 | 2  | gated adj diode and variable adj<br>(capacitance capacitor) and (MOS<br>adj transistor MOSFET FET MIS<br>adj transistor MISFET)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/26 08:43 |

| S38 | 3    | gated adj diode and (varactor<br>variable adj (capacitance<br>capacitor)) and (MOS adj<br>transistor MOSFET FET MIS adj<br>transistor MISFET)                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/08/26 08:44 |
|-----|------|---|---|------|-----|------------------|
| S39 | 3    | gated adj diode and (varactor<br>variable adj (capacitance<br>capacitor)) and (field adj effect adj<br>transistor MOS adj transistor<br>MOSFET FET MIS adj transistor<br>MISFET)    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON  | 2005/08/26 08:44 |
| S40 | 3    | gated near1 diode and (varactor<br>variable adj (capacitance<br>capacitor)) and (field adj effect adj<br>transistor MOS adj transistor<br>MOSFET FET MIS adj transistor<br>MISFET)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/08/26 08:46 |
| S41 | 846  | (varactor variable adj (capacitance<br>capacitor)) near10 (field adj effect<br>adj transistor MOS adj transistor<br>MOSFET FET MIS adj transistor<br>MISFET)                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/08/26 08:46 |
| S42 | 536  | (varactor variable adj (capacitance<br>capacitor)) near4 (field adj effect<br>adj transistor MOS adj transistor<br>MOSFET FET MIS adj transistor<br>MISFET)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/08/26 08:46 |
| S43 | 11   | (varactor variable adj (capacitance<br>capacitor)) near4 (field adj effect<br>adj transistor MOS adj transistor<br>MOSFET FET MIS adj transistor<br>MISFET) and sense adj amplifier | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/08/26 08:57 |
| S44 | 1942 | ((365/207) or (365/208)).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/08/26 08:57 |
| S45 | 1609 | S44 and sense adj amplifier   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/08/26 08:58 |
| S46 | 0    | S44 and sense adj amplifier and gated adj diode   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/08/26 08:58 |

| S47         | 6   | S44 and sense adj amplifier and (varactor capacitor near4 variable)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/26 09:07 |
|-------------|-----|---|---|----|-----|------------------|
| S48         | 2   | ("5844265").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/26 09:54 |
| S49         | 57  | gated adj diode near6 ("well"<br>"n-well" "p-well" pwell nwell)                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/26 09:55 |
| S50         | 52  | gated adj diode near4 ("well"<br>"n-well" "p-well" pwell nwell)                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/26 10:09 |
| S51         | 2   | ("6674116").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/26 10:10 |
| S52         | 1   | S51 and "well"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/26 10:10 |
| <b>\$53</b> | 0   | ("well" nwell pwell) near4 gated<br>adj diode near10 vary near2<br>capacitance            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/26 10:12 |
| S54         | 10  | ("well" nwell pwell) near4<br>(varactor gated adj diode) near10<br>vary near2 capacitance | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/26 11:09 |
| S55         | 108 | cascode near4 protect\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/26 11:10 |
| S56         | 935 | cascode.ti.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/26 11:10 |

| S57 | 8  | cascode.ti. and protect\$3.ti.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/26 11:11 |
|-----|----|--|---|----|-----|------------------|
| S58 | 8  | cascode.ti. and protect\$3.ti. and cascode   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/26 11:11 |
| S59 | 1  | "5844265".pn. and (threshold protect\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/26 13:37 |
| S60 | 10 | "sample/hold" near4 latch  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/26 16:20 |
| S61 | 15 | (US-20030206437-\$ or<br>US-20050099859-\$ or<br>US-20050104118-\$ or<br>US-20050104119-\$ or<br>US-20050145895-\$ or<br>US-20050146928-\$ or<br>US-20050184787-\$).did. or<br>(US-5838176-\$ or US-5844265-\$<br>or US-6097432-\$ or US-6414862-\$<br>or US-6418044-\$ or US-6674116-\$<br>or US-6731529-\$ or<br>US-6794707-\$).did. | US-PGPUB;<br>USPAT                                      | OR | OFF | 2005/08/26 16:33 |
| S62 | 9  | S61 and overlap\$4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/26 16:37 |
| S63 | 2  | gated adj diode near4 (overlap<br>overlapping)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/26 16:38 |
| S64 | 10 | mos adj capacitor near4 (overlap<br>overlapping)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/26 16:40 |

| S65 | 10 | mos adj capacitor near4 (overlap<br>overlapping) and (overlap<br>overlapping)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/26 16:44 |
|-----|----|--|---|----|----|------------------|
| S66 | 21 | mos adj capacitor.ti,ab. and gate<br>near4 (overlap overlapping) and<br>(overlap overlapping)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/26:16:48 |
| S67 | 27 | (gate adj diode mos adj<br>capacitor).ti,ab. and gate near4<br>(overlap overlapping) and (overlap<br>overlapping)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/26 16:49 |
| S68 | 6  | (gate adj diode).ti,ab. and gate<br>near4 (overlap overlapping) and<br>(overlap overlapping)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/26 16:49 |
| S69 | 74 | (gated adj diode varactor variable adj capacitor) and sense adj amplifier and invert?r   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/27 15:31 |
| S70 | 18 | (gated adj diode) and sense adj<br>amplifier and invert?r  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/27:15:14 |
| S71 | 34 | (varactor) and sense adj amplifier and invert?r  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/27 15:15 |
| S72 | 25 | (variable adj capacitor) and sense<br>adj amplifier and invert?r   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/27 15:15 |
| S73 | 10 | (gated adj diode varactor variable<br>adj capacitor) and sense adj<br>amplifier and invert?r and control<br>adj line and signal adj line   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/27 15:31 |
| S74 | 9  | (gated adj. diode varactor variable<br>adj capacitor) and sense adj<br>amplifier and invert?r and control<br>adj line and signal adj line and<br>(opamp difference differential) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/27 15:42 |

| S75 | 24 | (gated adj diode MOS adj<br>capacitor MIS adj capacitor) and<br>sense adj amplifier and invert?r<br>and control adj line and signal adj<br>line and (opamp difference<br>differential) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/27 15:48 |
|-----|----|--|---|----|-----|------------------|
| S76 | 24 | (gated adj diode MOS adj<br>capacitor MIS adj capacitor) and<br>sense adj amplifier and invert?r<br>and control adj line and signal adj<br>line  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/27 15:48 |
| S77 | 0  | gated adj diode.clm. and sense<br>adj amplifier.clm. and signal adj<br>line and control adj line   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/28 15:23 |
| S78 | 1  | gated adj diode.clm. and (signal<br>sense) adj amplifier.clm.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ÖR | OFF | 2005/08/28 15:23 |
| S79 | 1  | gated adj diode.clm. and (signal sense) adj (amplification amplifier).clm.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/28 15:23 |
| S80 | 2  | gated adj diode.clm. and (signal<br>sense) adj (amplification amplifier<br>amplifying).clm.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/28 15:25 |
| S81 | 1  | gated adj diode.clm. and (signal<br>sense) adj (amplification amplifier<br>amplifying).clm. and gated adj<br>diode and (sense signal) adj<br>(amplying amplification amplifier)        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/28 15:26 |
| S82 | 1  | gated adj diode.clm. and (signal<br>sense) adj (amplification amplifier<br>amplifying).ti,ab,clm. and gated<br>adj diode and (sense signal) adj<br>(amplying amplification amplifier)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/28 15:26 |
| S83 | 1  | gated adj diode.ti,ab,clm. and (signal sense) adj (amplification amplifier amplifying).ti,ab,clm. and gated adj diode and (sense signal) adj (amplying amplification amplifier)        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/28 15:26 |

|     |        |   |   | <u>-</u> |     |                  |
|-----|--------|---|---|----------|-----|------------------|
| S84 | 3      | gated adj diode.ti,ab,clm. and (signal sense) adj (amplification amplifier amplifying).ti,ab,clm. and gated adj diode and (sense signal) adj (amplifying amplification amplifier)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR       | ON  | 2005/08/28 15:28 |
| S85 | 1      | gated adj diode.ti,ab,clm. and<br>(signal sense) adj amplifier.ti,ab,<br>clm. and gated adj diode and<br>(sense signal) adj (amplifying<br>amplification amplifier)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR       | ON  | 2005/08/28 15:30 |
| S86 | 3      | gated adj diode near20 (signal<br>sense) adj amplifier  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR       | ON  | 2005/08/28 15:31 |
| S87 | 19     | (US-20030123276-\$ or US-20030206437-\$ or US-20040136251-\$ or US-20050099859-\$ or US-20050104118-\$ or US-20050104119-\$ or US-20050145895-\$ or US-20050146928-\$ or US-20050184787-\$).did. or (US-4538287-\$ or US-5838176-\$ or US-5844265-\$ or US-6097432-\$ or US-6414862-\$ or US-6418044-\$ or US-6731529-\$ or US-6794707-\$).did. | US-PGPUB;<br>USPAT  | OR       | OFF | 2005/08/28 15:56 |
| S88 | 49076  | (amplifier amplification amplifying)<br>near2 (signal sense).ti,ab,clm.   | US-PGPUB;<br>USPAT  | OR       | ON  | 2005/08/28 15:56 |
| S89 | 120366 | (amplifier amplification amplifying)<br>near2 (signal sense).ti,ab,clm.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR       | ON  | 2005/08/28 16:04 |
| S90 | 15582  | (gated adj diode varactor variable adj (capacitance capacitor)).ti,ab, clm.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR       | ON  | 2005/08/28 15:57 |
| S91 | 618    | S89 and S90   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR       | ON  | 2005/08/28 16:02 |

| S92      | 572 | S91 and @ad<"20040106"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/28 15:59 |
|----------|-----|---|---|----|----|------------------|
| S93      | 133 | S91 and @ad<"20040106" and (invert?r latch buffer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/28 15:59 |
| S94      | 353 | S89 and S90   | USPAT   | OR | ON | 2005/08/28 16:02 |
| S95      | 4   | (amplifier amplification amplifying)<br>near2 (signal sense) ti,ab,clm. and<br>(gated adj diode).ti,ab,clm.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/28 16:05 |
| S96      | 4   | (amplifier amplification amplifying)<br>near2 (signal sense).ti,ab,clm. and<br>(gated adj diode).ti,ab,clm. and<br>gated adj diode  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/28 16:06 |
| S97      | 17  | (amplifier amplification amplifying)<br>near2 (signal sense).ti,ab,clm. and<br>gated adj diode  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/28 16:10 |
| S98      | 1   | bridge adj demodulat?r adj<br>amplifier and gated adj diode   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/28 16:13 |
| S99      | 721 | (variable adj capacitor varactor<br>varacter) and (inverter invertor<br>latch buffer) and (signal sense)<br>adj (amplifier amplification)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/28 16:24 |
| S10<br>0 | 721 | (variable adj capacitor varactor varacter) and (inverter invertor latch buffer) and ((signal sense) adj (amplifier amplification) amplifying near2 signal) and (signal sense) adj (amplification amplifier) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/28 16:49 |

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| S10<br>1 | 920  | ((327/560) or (327/561) or (327/562) or (327/563)).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/28 16:49 |
|----------|------|---|---|----|-----|------------------|
| S10<br>2 | 18   | S101 and (varact?r variable adj<br>(capacitor capacitance) gated adj<br>diode)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ÖR | ON  | 2005/08/28:16:50 |
| S10<br>3 | 33   | (gated adj diode varact?r) near5<br>(overlap overlapping)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/29 09:35 |
| S10<br>4 | 47   | (gated adj diode varact?r variable<br>adj capacitor).ti,ab,clm. and<br>(overlap overlapping) near6 gate   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/29 09:35 |
| S10<br>5 | 41   | (gated adj diode varact?r variable<br>adj capacitor).ti,ab,clm. and<br>(overlap overlapping) near6 gate<br>not S103   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/29 09:35 |
| S10<br>6 | 0    | 365/023   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/29 12:11 |
| S10<br>7 | 8592 | ((365/203) or (365/204) or<br>(365/205) or (365/206) or<br>(365/207) or (365/208) or<br>(327/560) or (327/561) or<br>(327/562) or (327/563) or<br>(257/288) or (257/e29.195)).<br>CCLS. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/29 12:14 |
| S10<br>8 | 13   | S107 and (signal sense) near1<br>(amplifying amplifier amplification)<br>and (varact?r variable adj<br>capacitor gated adj diode)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/29 12:15 |
| S10<br>9 | 15   | S107 and (signal sense) near1<br>(amplifying amplifier amplification)<br>and (varact?r variable adj<br>capacitor gated adj diode)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/29 12:15 |